United Nations ST/SG/SER.E/366

Secretariat

Distr.: General
9 December 1999

Original: English

Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 15 November 1999 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit the registration data for the space launches by the United States during the period May-July 1999 (see annex).

V.99-91066 (E)

Annex*

Registration data for space launches by the United States of America

1. The following report supplements the registration data for the United States launches as of 31 May 1998. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (minutes)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1999-024A	05 May 1999	102.4	29.1	1325	429	Spacecraft engaged in practical applications and uses of space technology, such as weather or communications
1999-024B	05 May 1999	100.3	29.5	1384	159	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-026A	18 May 1999	95.5	97.7	554	541	Spacecraft engaged in practical applications and uses of space technology, such as weather or communications
1999-026 B	18 May 1999	100.3	97.7	777	773	Spacecraft engaged in practical applications and uses of space technology, such as weather or communications
1999-026C	18 May 1999	94.1	97.7	565	423	Spent boosters spent manoeuvring stages, shrouds and other non-functional objects
1999-026D	18 May 1999	95.7	97.1	727	399	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-026E	18 May 1999	95.5	97.7	552	538	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

* The registration data are reproduced in the form in which they were received.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (minutes)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1999-028A	22 May 1999	89.6	63.4	306	205	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-028B	22 May 1999	89.6	63.4	306	205	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-028C	22 May 1999	89.6	63.4	306	205	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-028D	22 May 1999	89.6	63.4	306	205	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-028E	22 May 1999	89.6	63.4	306	205	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-028F	22 May 1999	89.6	63.4	306	205	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-028G	22 May 1999	89.6	63.4	306	205	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-028H	22 May 1999	89.6	63.4	306	205	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-028J	22 May 1999	89.6	63.4	306	205	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-028K	22 May 1999	89.6	63.4	306	205	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-028L	22 May 1999	89.6	63.4	306	205	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (minutes)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1999-030A	27 May 1999	92.4	51.5	391	378	Reusable space transportation systems
1999-030B	27 May 1999	92.2	51.6	393	375	Spacecraft engaged in investigation of spaceflight techniques and technology
The following objects not previously reported have been identified since the last report:						
1994-029AEH	19 May 1994	102.2	82.4	1 117	612	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but were no longer in orbit as of 2400Z 31 May 1999:						
NONE						
The following objects achieved orbit since the last report but were no longer in orbit as of 2400Z 31 May 1999:						
1999-024C						
The following objects identified on a previous report were no longer in orbit as of 2400Z 31 May 1999:						
1962-039D, 1972-058GM, 1977-065FH, 1988-089B, 1989-089F, 1989-089G, 1989-089BC, 1989-089BF, 1993-017C, 1994-029BJ, 1994-029CP, 1994-029GQ, 1994-029LC, 1994-029ZA, 1998-002F, 1998-032F, 1999-020B						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

2. The following report supplements the registration data for the United States launches as of 30 June 1999. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (minutes)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit						
1999-034A	20 June 1999	100.9	98.6	841	808	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-034B	20 June 1999	95.2	98.7	827	266	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-035A	24 June 1999	100.2	25.0	774	759	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-035B	24 June 1999	94.3	19.1	784	186	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report						
1961-018F	12 July 1961	161.2	91.2	3 579	3 330	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1966-040H	15 May 1966	108.0	100.4	1 181	1 083	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1966-077T	19 Aug. 1966	164.8	88.6	5 712	1 444	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1966-077U	19 Aug. 1966	166.3	89.4	4 946	2 333	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1966-077V	19 Aug. 1966	164.7	89.1	5 353	1 835	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (minutes)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1966-077W	19 Aug 1966	166.3	89.6	4 898	2 418	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1970-067F	27 Aug 1970	106.2	90.0	1 190	928	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1983-072C	14 July 1983	367.4	65.3	19 360	1 903	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-017F	9 April 1999	94.2	28.7	766	199	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report, but were no longer in orbit as of 2400Z 30 June 1999:						
NONE						
The following objects achieved orbit since the last report but were no longer in orbit as of 2400Z 30 June 1999:						
NONE						
The following objects identified on a previous report were no longer in orbit as of 2400Z 30 June 1999:						
1969-082LD, 1975-052GS, 1977-065FH, 1978-026DZ, 1978-064J, 1989-089BP, 1989-089BY, 1989-089CA, 1989-089CD, 1989-089CE; 1994-029EK, 1994-029HM, 1994-029KE, 1994-029LX, 1994-029UP, 1994-029YR, 1994-029ZM, 1996-049E, 1999-024B, 1999-028B, 1999-030A.						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

3 The following report supplements the registration data for the United States launches as of 31 July 1999. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (minutes)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit						
1999-037A	10 July 1999	114.1	52.00	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-037B	10 July 1999	114.1	52.00	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-037C	10 July 1999	114.1	52.00	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-037D	10 July 1999	114.1	52.00	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-037E	10 July 1999	101.8	52.2	1 359	337	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-041A	25 July 1999	114.1	52.0	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-041B	25 July 1999	114.1	52.0	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (minutes)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1999-041C	25 July 1999	114.1	52.0	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-041D	25 July 1999	114.1	52.0	1 414	1 413	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1999-041E	25 July 1999	103.7	51.8	1 378	513	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
NONE						
The following objects not previously reported have been identified since the last report but were no longer in orbit as of 2400Z 31 July 1999:						
NONE						
The following objects achieved orbit since the last report but were no longer in orbit as of 2400Z 31 July 1999:						
NONE						
The following objects identified on a previous report were no longer in orbit as of 2400Z 31 July 1999:						
1977-065FZ, 1990-105S, 1994-029AS, 1994-029AW, 1994-029AY, 1994-029ET, 1994-029HY, 1994-029JU, 1994-029KN, 1994-029UM, 1994-029YJ, 1999-017B						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

United Nations ST/SG/SER.E/367

Secretariat

Distr.: General
17 December 1999

English
Original: Russian

Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 10 December 1999 from the Permanent Mission of the Russian Federation to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit the registration data on the Russian space launches for the period from July to September 1999 and also on the space objects that ceased to exist during the same period of time (see annex).

V.99-91109 (E)

Annex*

Registration data on space objects launched by the Russian Federation in July 1999

1. In July 1999, the Russian Federation launched the following space objects:

Number	*Name of space object*	*Date of launching*	*Basic orbit characteristics*				*General purpose of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3060	Molniya-3 (launched by a Molniya carrier rocket from the Plesetsk launch site)	8 July	40 807	465	62.8	736	Operation of long-range telephone and telegraph radio communications system and transmission of television programmes to points on the Orbita network and in the interests of international cooperation
3061	Progress M-42 (launched by a Soyuz carrier rocket from the Baikonur launch site)	16 July	249	194	51.6	88.6	Delivery to the Mir manned orbital station of consumables and various cargoes
3062	Okean-O (launched by a Zenit carrier rocket from the Baikonur launch site)	17 July	690.7	663.8	98	98	Observation of ice conditions in the Arctic regions, study of the Earth's natural resources and ecological monitoring

2. The following space objects ceased to exist in July 1999 and were no longer in Earth orbit at 2400 hours Moscow time on 31 July 1999:

1998-039A (Cosmos-2359)
1999-015A (Progress M-41)

* The registration data are reproduced in the form in which they were received.

Registration data on space objects launched by the Russian Federation in August 1999

1. In August 1999, the Russian Federation launched the following space objects:

Number	*Name of space object*	*Date of launching*	*Basic orbit characteristics*				*General purpose of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3063	Cosmos-2365 (launched by a Soyuz carrier rocket from the Plesetsk launch site)	18 August	367	144.14	67.14	89.61	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation
3064	Cosmos-2366 (launched by a Cosmos carrier rocket from the Plesetsk launch site)	26 August	1 021	984	82.9	104.8	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation

2. The following space objects ceased to exist in August 1999 and were no longer in Earth orbit at 2400 hours Moscow time on 31 August 1999:

1999-007A (Soyuz TM-29)

Registration data on space objects launched by the Russian Federation in September 1999

1. In September 1999, the Russian Federation launched the following space objects:

Number	*Name of space object*	*Date of launching*	*Basic orbit characteristics*				*General purpose of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3065	YAMAL-100-1[a] (launched by a Proton carrier rocket from the Baikonur launch site)	6 September	36 303	35 420	0.2	1 440	Operation of modern communication systems for enterprises in the Russian gas industry and provision of telecommunication services to national and foreign users
3066	YAMAL-100-2[a]	6 September	36 303	35 420	0.2	1 440	Operation of modern communication systems for enterprises in the Russian gas industry and provision of telecommunication services to national and foreign users
3067	Photon (launched by a Soyuz carrier rocket from the Plesetsk launch site)	9 September	405.5	225.1	62.8	90.9	Fundamental and applied research in the area of materials science, development of technology for production of semiconductor materials and biological research
3068	Resurs-F1M (launched by a Soyuz carrier rocket from the Plesetsk launch site)	28 September	251.4	191	82.3	88.61	Investigation of the Earth's natural resources, and research on environmental and ecological conditions

[a] The space objects YAMAL-100-1 and YAMAL-100-2 were launched by a single Proton carrier rocket from the Baikonur launch site.

2. On 22 September 1999, four United States GLOBALSTAR satellites intended for mobile telephone communications, data transmission and the location of means of transport were placed in Earth orbit by a Soyuz carrier rocket from the Baikonur launch site.

3. On 27 September 1999, the United States telecommunications satellite LMI-1 was placed in Earth orbit by a Proton carrier rocket from the Baikonur launch site. The satellite was launched on behalf of the company LMI-Intersputnik.

4. The following space object ceased to exist in September 1999 and was no longer in Earth orbit at 2400 hours Moscow time on 30 September 1999:

1999-048A (Photon)